

REFERENCES AND ACRONYMS

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Acronyms

A/D	Analog to digital conversion
ABWR	Advanced Boiling Water Reactor
ALWR	Advanced Light Water Reactor
ASIC	Application Specific Integrated Circuits
ASME	American Society of Mechanical Engineers
B&W	Babcock & Wilcox
B&WOG	Babcock & Wilcox Owners Group
BG&E	Baltimore Gas and Electric Company
BOP	Balance-of-Plant
BWR	Boiling Water Reactor
BWROG	Boiling Water Reactor Owners Group
BWRVIP	Boiling Water Reactor Vessel and Internals Project
CASS	Cast Austenitic Stainless Steel
CEO	Chief Executive Officer
CIR	Cooperative IASCC Research
CM	Condition Monitoring
CO ₂	Carbon Dioxide
COTS	Commercial Off-The-Shelf
CRIEPI	A Japanese Nuclear Energy Consortium
CRP	Cable Research Program
CSSPE	Chlorosulfonated Polyethylene
D/A	Digital to analog conversion
DIACS	Russian developed cable monitor
DOE	Department of Energy
DSS	Dynamic Safety System
EIA	Energy Information Administration
EM	Environmental Monitoring
EMI	Electromagnetic Interference
EMSP	Environmental Management Science Program
EPR	Ethylene-Propylene Copolymer
EPRI	Electric Power Research Institute
EQ	Environmental Quality
EQ-TAP	EQ Task Action Plan
FAC	Flow-Accelerated Corrosion
FOAKE	First-of-a-Kind Engineering
FY	Fiscal Year

GEV	Billion Electron Volts
GHG	Greenhouse Gases
GWH	Gigawatt-Hour
H ₂ O ₂	Hydrogen Peroxide
HWC	Hydrogen Water Chemistry
I&C	Instrumentation and Control
IAEA	International Atomic Energy Agency
IASCC	Irradiation-Assisted Stress Corrosion Cracking
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
IGA	Intergranular Attack
IGSCC	Intergranular Stress Corrosion Cracking
IR	License Renewal Industry Report
ISI	In-Service-Inspection
kW-hr	Kilowatt-Hour
LCM	Life Cycle Management
LICA	Low Intensity Cobalt Array
LOCA	Loss-of-Coolant Accident
LWR	Light Water Reactor
MOU	Memorandum of Understanding
MWe	Megawatts Electric
n/cm	Neutrons per Centimeter
NAS	National Academy of Sciences
NDE	Nondestructive Examination
NEI	Nuclear Energy Institute
NERI	Nuclear Energy Research Initiative
NMCA	Noble Metal Coolant Additions
NPT	Nuclear Nonproliferation Treaty
NRC	Nuclear Regulatory Commission
NSSS	Nuclear Steam Supply System
NUREG	Nuclear Regulatory Commission issued report
O&M	Operating and Maintenance
OECD	Organization for Economic Co-Operation and Development
OIT	Oxidation Induction Time
OITemp	Oxidation Induction Temperature
OMB	Office of Management and Budget
PCAST	President's Committee of Advisors on Science and Technology
PD	Performance Demonstration
PFM	Probabilistic Fracture Mechanics
PLC	Programmable Logic Controller
PLIM	Plant Lifetime Improvement
PSA	Probabilistic Safety Assessment
P-T	Pressure-Temperature
PTS	Pressurized Thermal Shock
PWR	Pressurized Water Reactor
PWSCC	Primary Water Stress Corrosion Cracking

QA	Quality Assurance
R&D	Research and Development
RG	Regulatory Guide
RPV	Reactor Pressure Vessel
SAG	Structural Aging
SCC	Stress Corrosion Cracking
SEP	Sustainable Electricity Partnership
SER	Safety Evaluation Report
SG	Steam Generator
SGDSM	Steam Generator Degradation Specific Management
SP	Small Punch
SRP-LR	Standard Review Plan for the Review of License Renewal Applications for Nuclear Power Plants
T-H	Thermal-Hydraulic
TMI	Three Mile Island
WOG	Westinghouse Owners Group